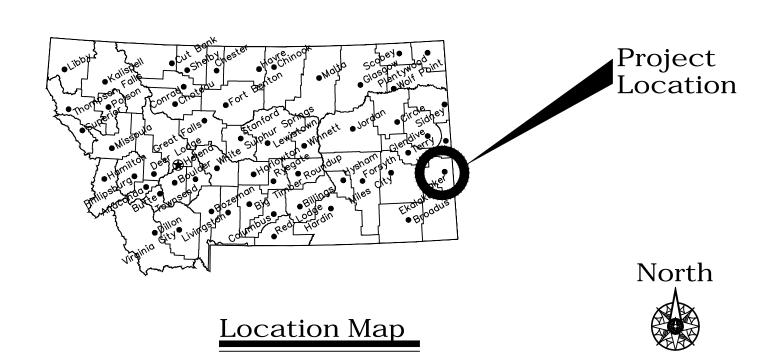
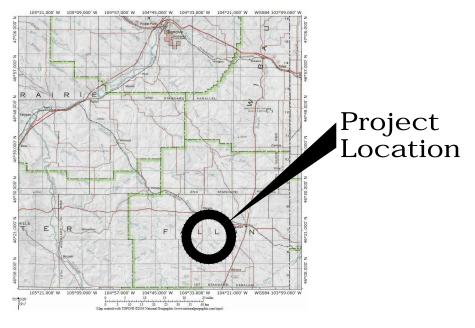
MONTANA FISH, WILDLIFE & PARKS

# SOUTH SANDSTONE FAS ADA ACCESSIBLE FISHING ACCESS

FALLON COUNTY, MONTANA

FWP # 7133735





## Vicinity Map

## MONTANA FISH, WILDLIFE AND PARKS DESIGN AND CONSTRUCTION

MAILING ADDRESS: PHYSICAL ADDRESS: PO BOX 200701 1522 9th AVENUE HELENA, MT 59620-0701 HELENA, MT 59601

TEL 406.841.4000 FAX 406.841.4004

fwp.mt.gov/Doing Business/Design&Construction

# **DRAWING INDEX**

**Civil Sheets** PLATFORM PLAN LONGITUDINAL SECTION ADA PLATFORM SITE PLAN CROSS SECTION BOAT RAMP SITE PLAN SITE DETAILS SITE DETAILS



J. Senn		8-25-14
DRAWN BY:	DATE:	
IZ XV:11:		0.00.14
K. Williams		8-22-14

APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY:



Montana Fish,

TITLE SHEET Wildlife @ Parle SOUTH SANDSTONE FAS (NEAR PLEVNA, MT)



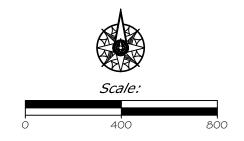
A 357.5 ACRE TRACT OF LAND LOCATED IN THE SW  $\! Z_{\!\! 4}$  OF SEC. 29, T. 07N, R. 58 E, IN FALLON COUNTY, MT.

TO ACCESS THE SITE FROM PLEVNA, MT:
HEAD SOUTH ON MAIN ST/PLEVNA RD. TOWARDS US-12 W
FOR 5.3 MILES. TURN LEFT ONTO COUNTY ROAD 322 AND
CONTINUE FOR 1.7 MILES. THE SITE WILL BE ON THE RIGHT.

TO ACCESS THE SITE FROM BAKER, MT: HEAD EAST ON GREGORY AVE FOR 1.3 MILES. TURN SOUTH ONTO COUNTY ROAD 322 AND FOLLOW FOR 9.2 MILES. THE SITE WILL BE ON THE LEFT.

# **VICINITY MAP** SOUTH SANDSTONE IMPROVEMENTS



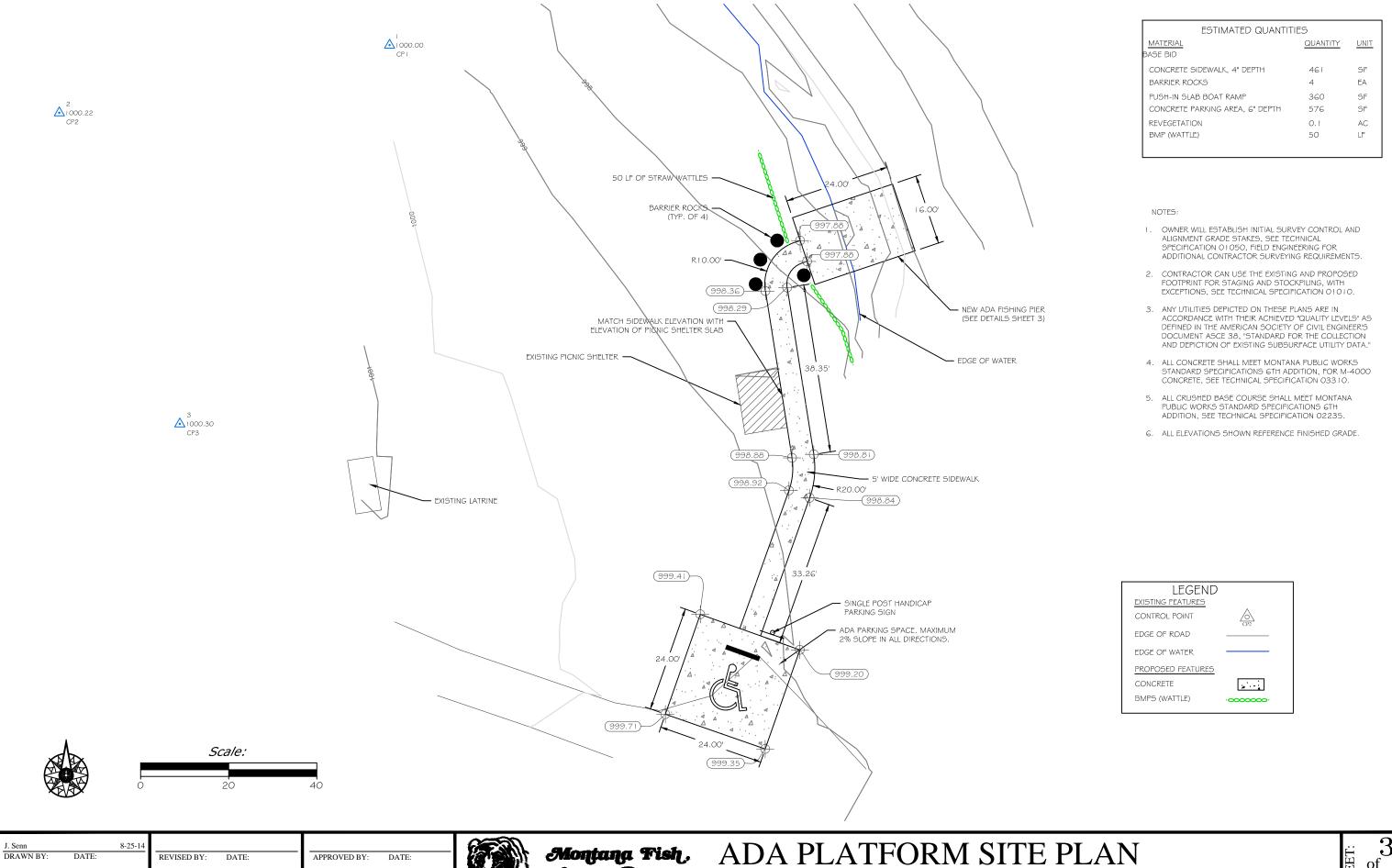


J. Senn		8-25-14
DRAWN BY:	DATE:	
K. Williams		8-22-14
CHECKED BY:	DATE:	





Montana Fish. VICINITY MAP
Wildlife & Paris SOUTH SANDSTONE FAS (NEAR PLEVNA, MT)



K. Williams CHECKED BY:

DATE:

APPROVED BY:

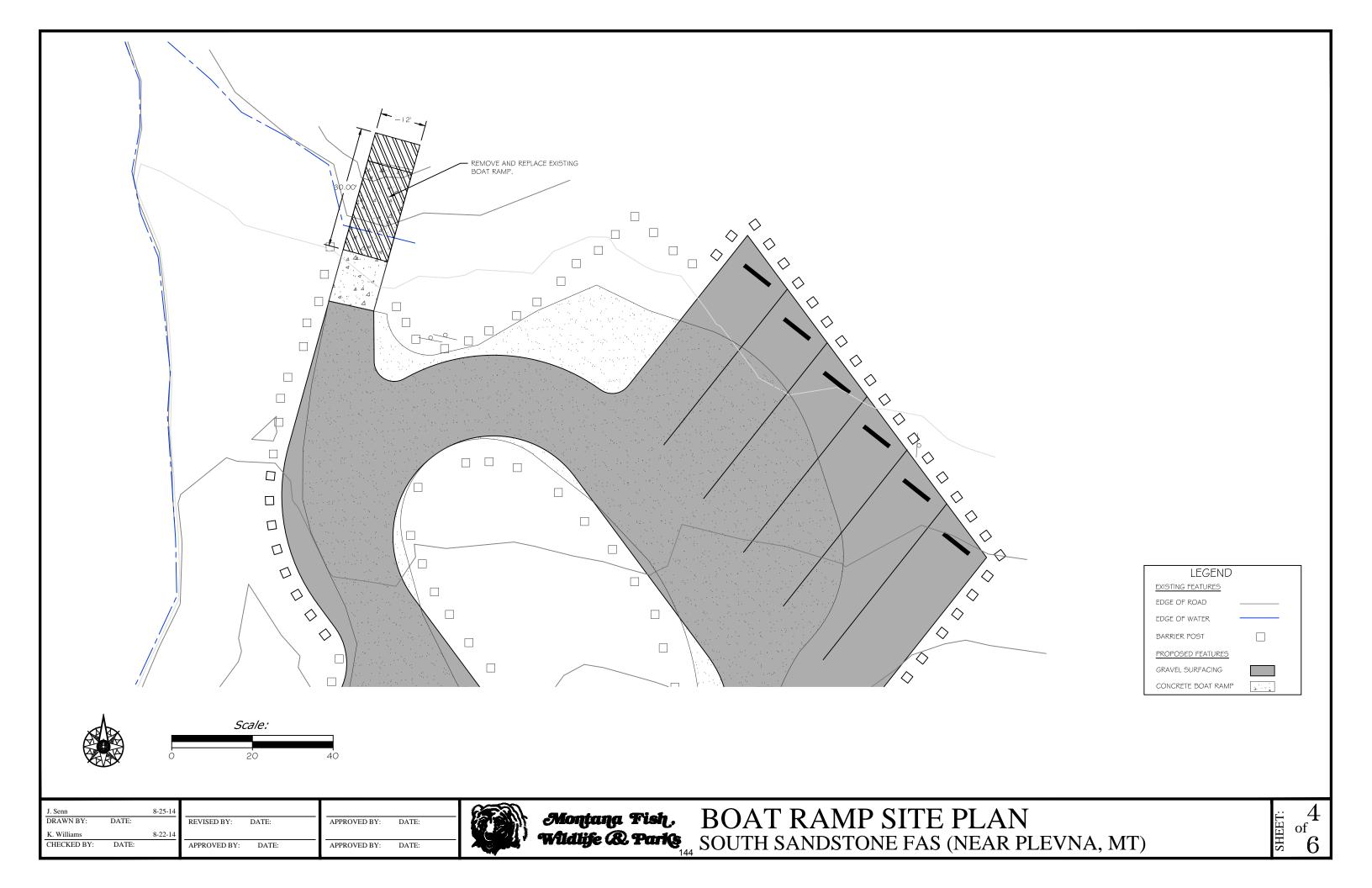
DATE:

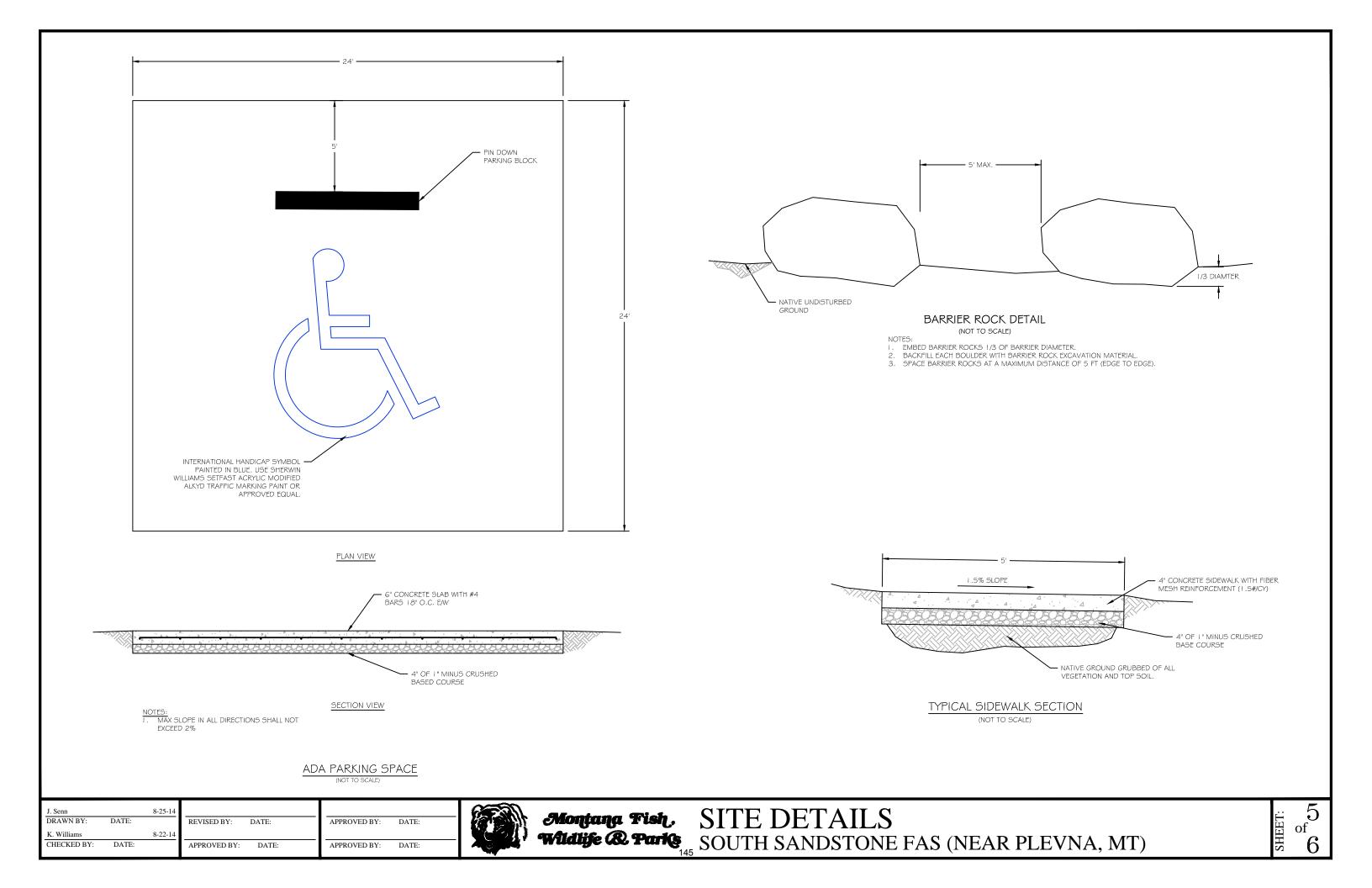
APPROVED BY:

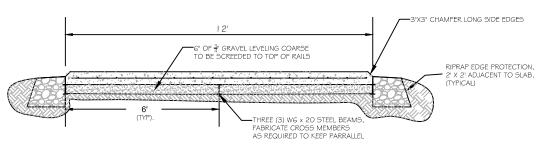
DATE:

Wildlife & Paris SOUTH SANDSTONE FAS (NEAR PLEVNA, MT)

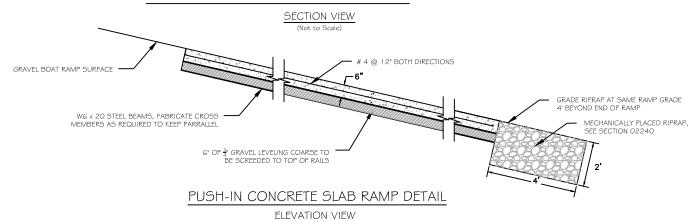
SHEET of

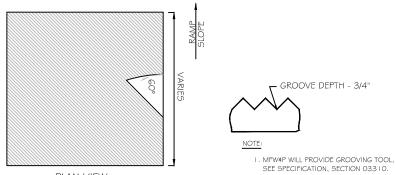






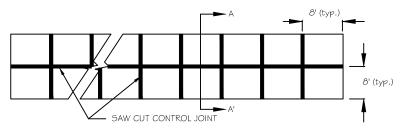
### PUSH-IN CONCRETE SLAB RAMP DETAIL





PLAN VIEW

## GROOVED SURFACE



- CONCRETE FOR NEW RAMP IS A 3/4" MINUS; 6-1/2 BAG MIX WITH A MIN 28 DAY STRENGTH OF 4000 PSI, REINFORCED WITH # 4 BARS @ 12" SPACING BOTH DIRECTIONS.
- CONCRETE SHALL BE VIBRATED AND SCREEDED BEFORE SURFACE FINISH IS APPLIED.
- 3. SURFACE FINISH SHALL BE BULL FLOATED FOLLOWED BY GROOVING.
- 4. CONTRACTION JOINTS SHALL BE TROWELLED OR SAW CUTAFTER RAMP IS GROOVED.

#### SLAB CONTROL JOINT DETAIL

PLAN VIEW

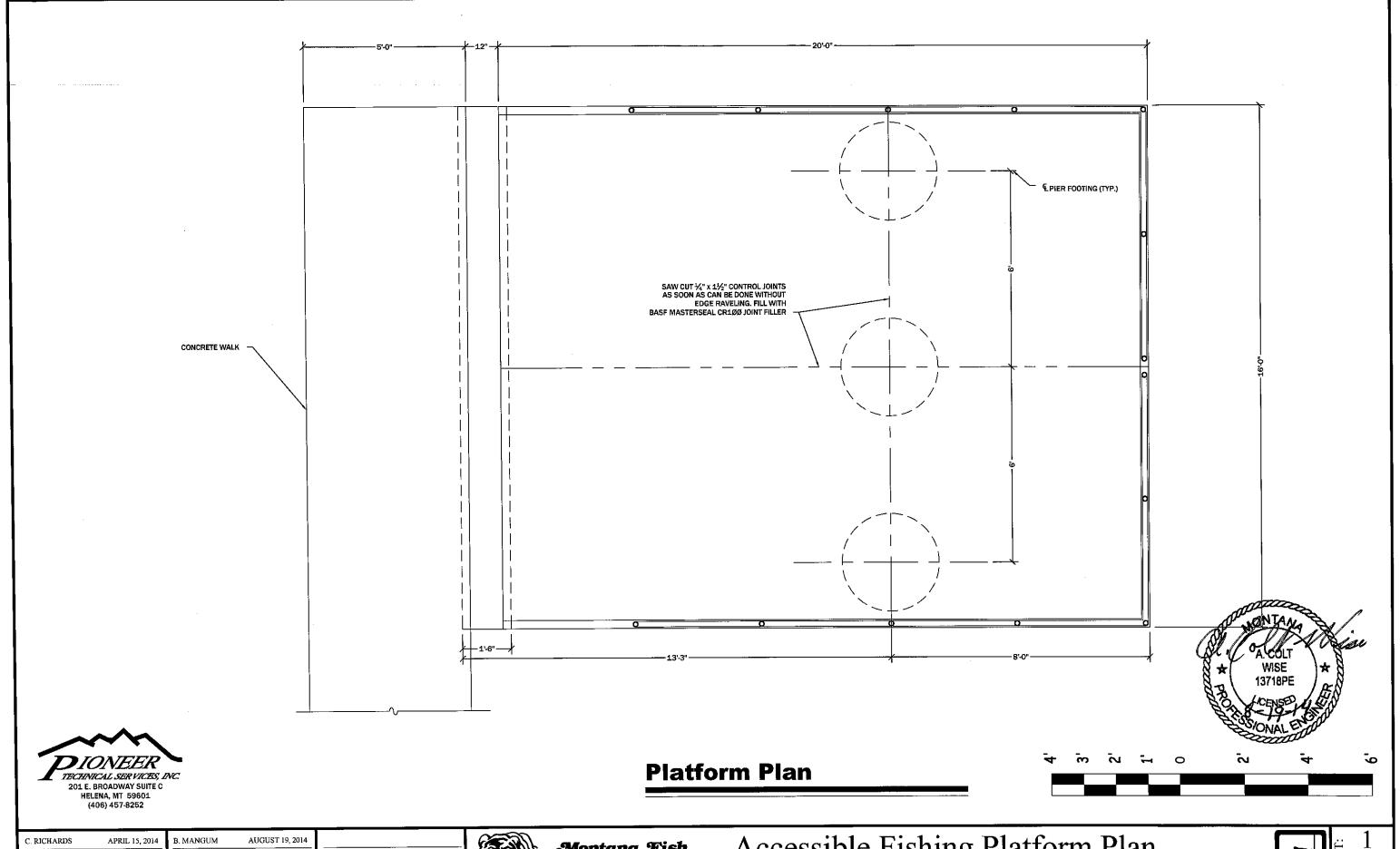
- I. ALL PUSH-IN SLAB SECTIONS SHALL BE CAST AT APPROXIMATELY THE SAME SLOPE AS THEY ARE TO BE PLACED.
- ALL PUSH-IN SECTIONS SHALL BE ALLOWED TO CURE FOR A MINIMUM OF 14 DAYS.
- ALL PUSH IN SECTIONS SHALL BE CAST ON A SMOOTH 4" LAYER OF COMPACTED AGGREGATE.
- DEPENDING ON CONSTRUCTION EQUIPMENT OR WORKING AREA LIMITATIONS, CONTRACTOR MAY HAVE TO MAKE MULTIPLE PUSH-IN SLAB POURS PRIOR TO FINAL INSTALLATION. ALL SEPARATE POURS WILL REQUIRE REBAR PLACEMENT AS DESCRIBED IN NOTE 5
- 5. REBAR SHALL BE EPOXIED INTO FIRST SLAB AND EXTENDED A MINIMUM OF 20" INTO SUBSEQUENT SLAB(S).
- CONTRACTOR MAY ELECT TO FABRICATE ANGLE IRON ALONG EDGE OF OUTER STEEL SUPPORT BEAMS TO HELP DIRECT PUSH-IN SLAB DURING INSTALLATION.
- 7. PROVIDE 24' CLEAR COVER FOR ALL REBAR REINFORCEMENT.
- 8. PLACE RIPRAP EDGE PROTECTION AT THE SAME GRADE OF PUSH-IN SLAB. KEY IN RIPRAP BY MECHANICAL TAMPING METHODS TO PROVIDE FLUSH SURFACE.

_
2-14
_

REVISED BY: DATE: APPROVED BY: DATE: APPROVED BY: DATE: DATE: APPROVED BY:



Montana Fish. BOAT RAMP DETAILS Wildlife & Paris SOUTH SANDSTONE FAS (NEAR PLEVNA, MT)



C. RICHARDS APRIL 15, 2014

DRAWN BY: DATE:
C. WISE APRIL 15, 2014

CHECKED BY: DATE:

B. MANGUM AUGUST 19, 2014
APPROVED BY: DATE:

APPROVED BY: DATE:

APPROVED BY: DATE:

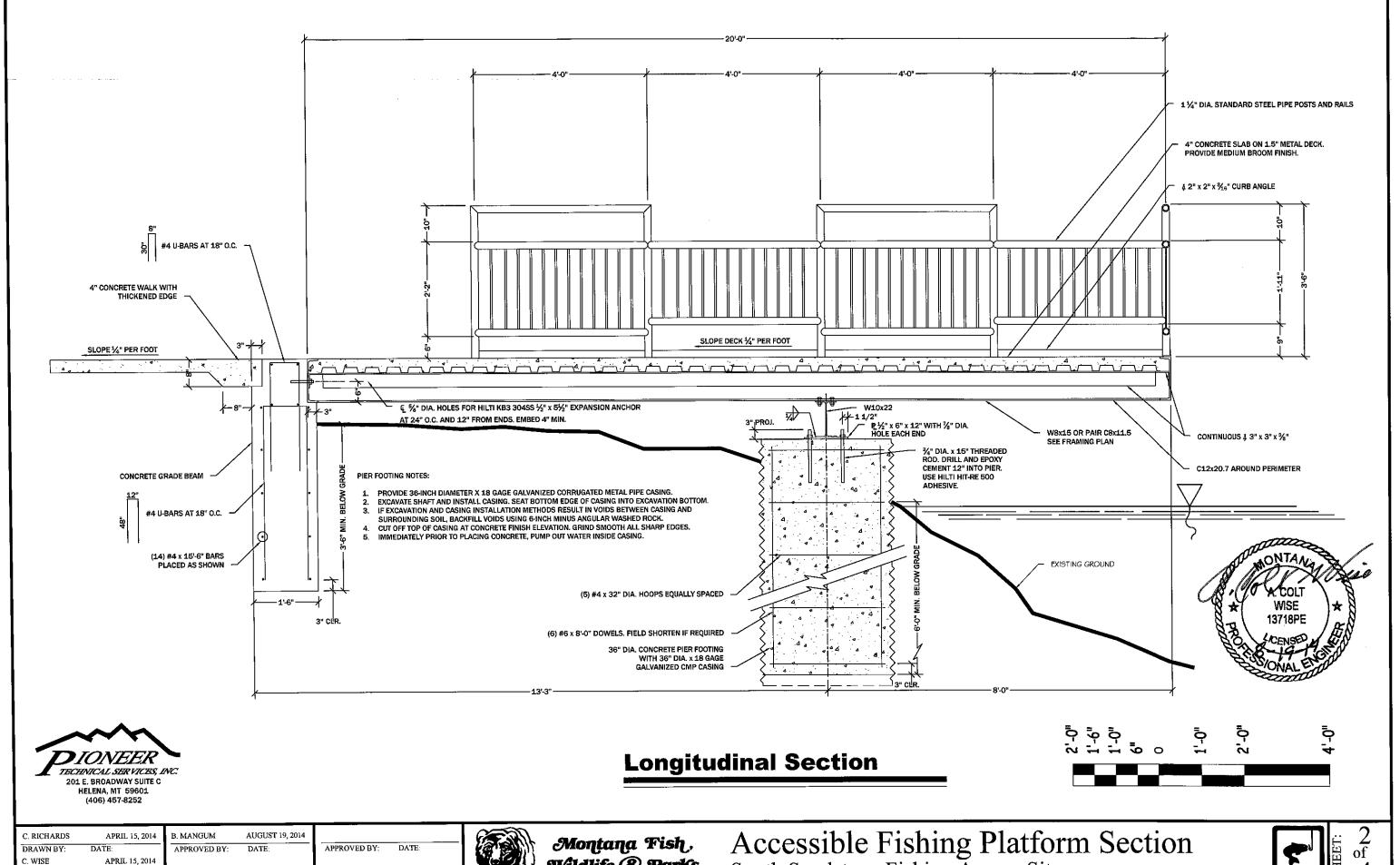
APPROVED BY: DATE:



Montana Fish , Wildlife & Parks Accessible Fishing Platform Plan South Sandstone Fishing Access Site



1 of 4



APPROVED BY:

DATE:

APPROVED BY:

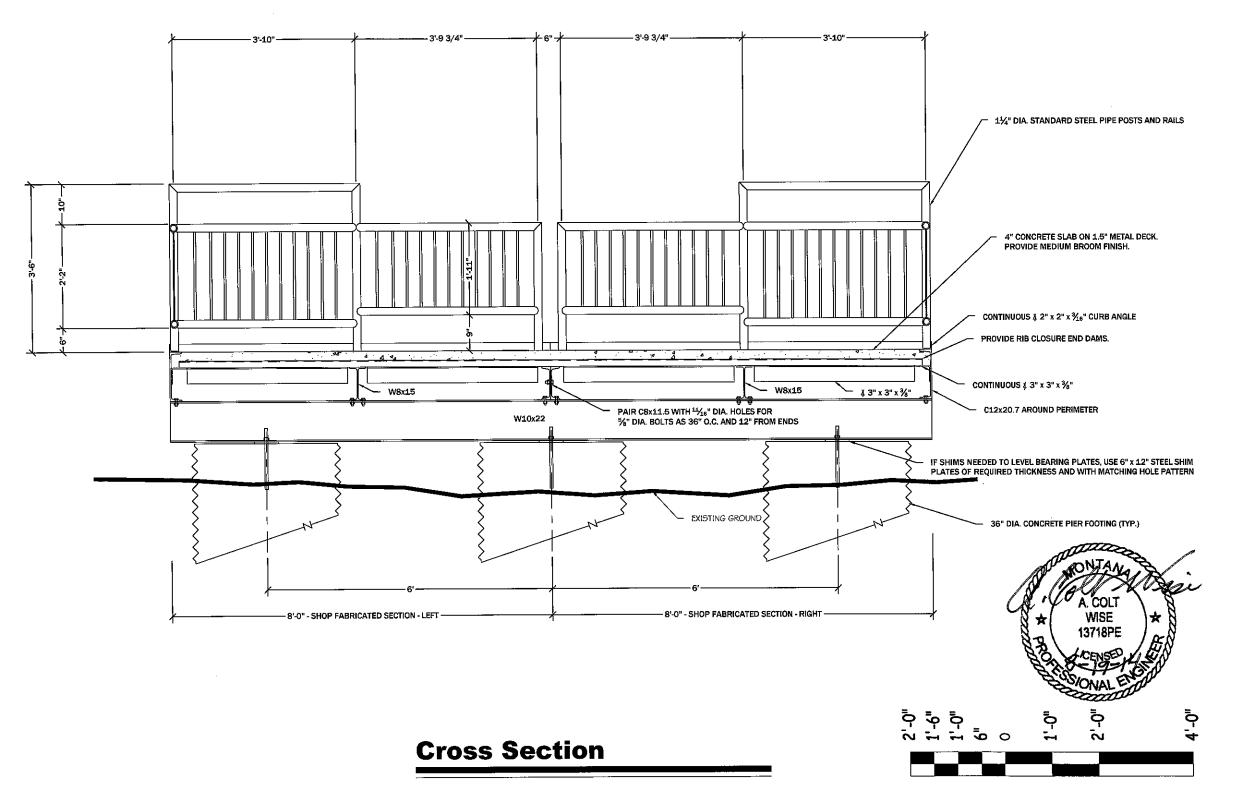
CHECKED BY:

DATE:

Wildlife & Parks

Accessible Fishing Platform Section South Sandstone Fishing Access Site







 C. RICHARDS
 APRIL 15, 2014
 B. MANGUM
 AUGUST 19, 2014

 DRAWN BY:
 DATE:
 APPROVED BY:
 DATE:

 C. WISE
 APRIL 15, 2014
 APPROVED BY:
 DATE:

 CHECKED BY:
 DATE:
 APPROVED BY:
 DATE:



APPROVED BY:

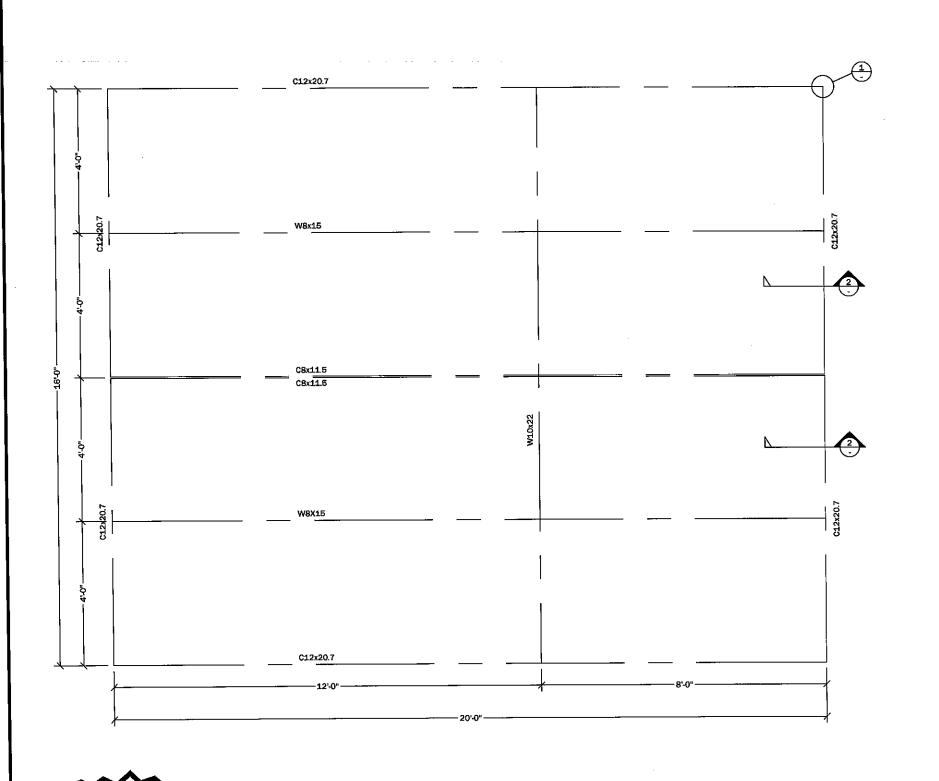
APPROVED BY: DATE:

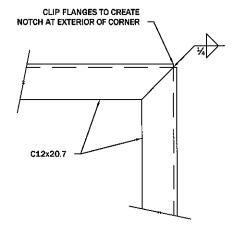
DATE:

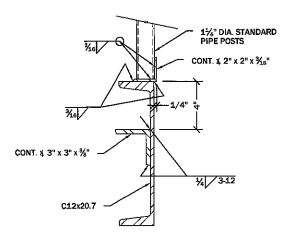
Montana Fish, Wildlife & Parks Accessible Fishing Platform Section South Sandstone Fishing Access Site



3 of 4



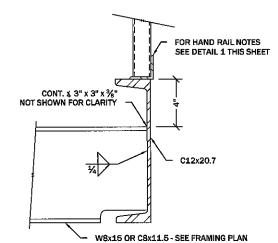




PLAN

**SECTION** 

EXTERIOR CORNER CONNECTION 1



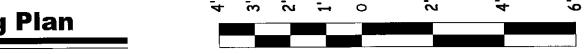
CONNECTION DETAIL 2

#### ENERAL NOTES:

- 1. SUBMIT STEEL FABRICATION SHOP DRAWINGS FOR REVIEW AND APPROVAL PRIOR TO FABRICATION.
- 2. STEEL GRADES: ASTM A992 FOR WIDE FLANGE BEAMS. ASTM A36 FOR PLATES, CHANNELS AND ANGLES. ASTM A53 GRADE B FOR PIPE. ASTM 325 FOR CONNECTION BOLTS. ASTM 307 FOR ANCHOR BOLTS. ASTM A615 GRADE 60 FOR PLAIN, DEFORMED, REINFORCING BARS.
- 3. USE 5/8 INCH DIAMETER BOLTS FOR STEEL FRAMING CONNECTIONS. USE 3/4 INCH DIAMETER ANCHOR BOLTS.
- 4. ALL STRUCTURAL STEEL AND HANDRAIL TO BE HOT DIP GALVANIZED.
- 5. WELDER QUALIFICATIONS AND WELDING METHODS TO COMPLY WITH REQUIREMENTS OF AWS D1.1. USE E70XX ELECTRODES. TO THE EXTENT PRACTICABLE, MAKE ALL WELDS PRIOR TO GALVANIZING ASSEMBLIES. TOUCH UP WELDS MADE AFTERWARD WITH ZINC RICH, GALVANIZING REPAIR PAINT.
- 6. SHOP FABRICATE DECK PANELS IN TWO SECTIONS TO BE FIELD BOLTED TOGETHER AS SHOWN, WITH HANDRAIL PRE-ATTACHED.
- 7. USE VULCRAFT 1.5VL20 GALVANIZED METAL FLOOR DECKING. FASTEN WITH HILTI X-CR 16 P8 STAINLESS STEEL FASTENERS ON 4/36 PATTERN AT INTERIOR SUPPORTS AND AT 12 INCHES MAX ON CENTER AROUND PERIMETER. SIDELAP FASTENERS TO BE BUTTON PUNCH CRIMPS AT 24 INCHES ON CENTER
- 8. CONCRETE MIX DESIGNS TO PRODUCE 28-DAY COMPRESSIVE STRENGTH OF 4,000 PSI MINIMUM, WITH 4% TO 6% ENTRAINED AIR, MAX SLUMP OF 4 INCHES, AND INCORPORATING 3/4 INCH MAX SIZE AGGREGATE. SLAB CONCRETE TO ALSO INCORPORATE FIBERMESH-150 POLYPROPELYNE FIBERS AT THE RATE OF 1.5 POUNDS OF PER CUBIC YARD. SUBMIT CONCRETE MIX DESIGNS FOR REVIEW AND APPROVAL PRIOR TO INCORPORATING INTO WORK



# **Platform Framing Plan**



APRIL 15, 2014
DATE:
APRIL 15, 2014
DATE:

TECHNICAL SER VICES, IVC. 201 E. BROADWAY SUITE C HELENA, MT 59601 (406) 457-8252

B, MANGUM	AUGUST 19, 2014
APPROVED BY:	DATE
APPROVED BY:	DATE:

l	APPROVED BY:	DATE:	
١	APPROVED BY:	DATE:	



Montana Fish, Wildlife & Parks Accessible Fishing Platform Framing Plan South Sandstone Fishing Access Site



4 of

15